

Date: Sat, 6 Aug 94 04:30:07 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #880
To: Info-Hams

Info-Hams Digest Sat, 6 Aug 94 Volume 94 : Issue 880

Today's Topics:

 ARLD046 DX news
 IPS Solar and Geophysical Summary - July 94
 New ONE IOTA of RUSSIA
 Obtaining a US callsign
 Technician No Code

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 04 Aug 1994 18:05:36 EDT
From: psinnntp!arrrl.org!usenet@uunet.uu.net
Subject: ARLD046 DX news
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD046
ARLD046 DX news

ZCZC AE44
QST de W1AW
DX Bulletin 46 ARLD046

Date: Fri, 5 Aug 1994 05:34:11 GMT
From: ihnp4.ucsd.edu!munari.oz.au!metro!ipso!rwc@network.ucsd.edu
Subject: IPS Solar and Geophysical Summary - July 94
To: info-hams@ucsd.edu

SUBJ: IPS MONTHLY REPORT - JULY 1994
ISSUED BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.

1. SOLAR-GEOPHYSICAL INDICES

Day	SOLAR 10 cm flux	MAGNETIC A-INDEX	AUST T INDEX
01 Jul	87	24	39
02 Jul	83	29	22
03 Jul	86	17	25
04 Jul	85	12	30
05 Jul	83	7	33
06 Jul	84	15	35
07 Jul	88	20	46
08 Jul	86	5	29
09 Jul	86	5	30
10 Jul	86	5	29
11 Jul	86	5	32
12 Jul	83	2	28
13 Jul	81	4	33
14 Jul	82	27	38
15 Jul	83	22	41
16 Jul	82	31	32
17 Jul	80	14	29
18 Jul	80	11	25
19 Jul	78	11	24
20 Jul	77	5	31
21 Jul	77	11	28
22 Jul	78	6	31
23 Jul	76	8	28
24 Jul	75	9	33
25 Jul	75	12	33
26 Jul	74	5	22
27 Jul	74	13	29
28 Jul	75	20	39
29 Jul	76	14	31
30 Jul	75	11	33
31 Jul	75	7	26

	10CM FLUX	SUNSPOT	NUMBER	A INDEX	AUST T-INDEX	FLARES
Month	Monthly Average	Monthly Average	Yearly Average	Monthly Average	Monthly Average	>M1.0
Jul	94 80.5	35.0		12.5	31.1	1
Jun	94 77.2	28.1		15.0	33.8	1

May	94	79.8	18.2		21.5	27.5	0
Apr	94	79.0	16.7		21.0	34.7	0
Mar	94	90.5	31.7		17.5	36.9	0
Feb	94	99.5	35.9		22.5	38.0	2
Jan	94	115.0	58.8	36.6	12.4	60.2	11
Dec	93	104.9	49.4	38.4	10.4	56.4	8
Nov	93	95.8	34.8	41.0	11.7	50.0	3
Oct	93	100.2	55.4	44.7	11.6	31.3	3
Sep	93	86.3	21.7	48.2	12.3	33.6	2
Aug	93	93.7	42.0	52.1	11.0	48.7	1
Jul	93	99.0	57.3	54.4	10.6	59.6	4

IPS Predicted (Yearly Smoothed) Sunspot Numbers for February 1994-January 1995

Month	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
SSN	36.6	34.3	33.0	31.1	29.4	26.6	24.2	22.8	22.3	22.2	21.6	20.2

Latest T-Indices for IPS Advanced Stand-Alone Prediction System-(ASAPS)

Last update: June 1994 Solar-Geophysical Summary

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1988	45	43	58	74	72	84	84	95	115	132	116	128
1989	147	164	135	140	141	157	162	149	143	159	164	152
1990	150	128	135	129	126	138	136	138	141	136	122	133
1991	143	175	169	163	136	121	141	126	135	131	121	130
1992	152	172	156	134	95	79	89	66	68	68	85	90
1993	75	78	81	65	64	65	62	48	36	42	36	40
1994	55	38*	36*	35*	34*	32*	30*	26*	24*	22*	21*	20*
1995	19*	18*	17*	16*	15*	15*	14*	13*	12*	11*	11*	11*
1996	10*	10*	9*	8*	8*	8*	8*	9*	9*	10*	11*	12*
1997	13*	15*	16*	18*	21*	23*	26*	29*	33*	37*	42*	47*

Asterisk indicates predicted value.

For information concerning ASAPS for an IBM PC (or compatible) contact IPS.

The IPS Monthly T-index is derived from the observed monthly median values of foF2 for each hour at up to 40 ionospheric stations worldwide. These records become available from IPS stations in Australia very soon after each month, but the majority are received up to one year later. This means that the exact observed value of the monthly T-index is not available until some months later.

The predicted smoothed monthly T-indices are computed by using a statistical analysis of the observed monthly T-indices for all solar cycles since 1938. The IPS T-indices may not be updated each month but only when sufficient new data becomes available.

2. FLARES AND SHORT-WAVE FADEOUTS

All M flares with an energy greater than or equal to M1 are tabulated under

class M flares.

However, times of fade-outs are shown only for flares with an energy greater than X-ray class M3.

DATE	CLASS M FLARES	CLASS X FLARES	FADEOUT POSSIBLE ON DAYLIGHT CIRCUIT
07 Jul	1		

2.1 Comments on Solar Activity.

An M1.3/1N flare was observed on 7 July at 2100UT. Solar activity was at very low to low levels throughout the rest of the month.

The 10cm flux exhibited a similar pattern of variation to that of the previous month, with values declining slightly during the second half of July. The peak value for the month of 88 occurred on 7 July.

3. GEOMAGNETIC DISTURBANCES (for Learmonth, WA)

DATE	COMMENTS
1-3 July	Unsettled to active levels observed. This activity was a continuation of the recurrent disturbance which began 26 June.
14-16 July	Active to minor storm levels were observed at times on 14 July, with unsettled to active levels observed over the next two days.
27-29 July	Isolated active periods were the only sign of a previously strong recurrent pattern of activity that commenced in January of this year.

3.1 Comments on Geomagnetic Activity.

Apart from activity observed 1-3 July, there was little sign this month of the recurrent patterns of activity observed since January 1994 and June 1993 respectively. Activity from 24-29 July was less than that observed during the corresponding period of previous solar rotations. This was due to a combination of seasonal effects and changes to the structure of the associated coronal hole. A second coronal hole, which last caused an increase in activity from 10 - 12 June, appears to have closed. Activity observed from 14-16 July may prove to be the start of a new recurrent pattern. The peak A index for the month of 31 was observed on 16 July.

4. IONOSPHERIC DISTURBANCES (for Sydney)

DATE	MUFs
------	------

1 July	Spread F observed during local night.
9-10 July	Spread F observed during local night.
14-15 July	Enhanced 30-50% from 14/12-16UT and 15/11-14UT.
16 July	Spread F observed during local night.
18 July	Spread F observed during local night.
20 July	Spread F observed during local night.
25 July	Spread F observed during local night.
27-29 July	Spread F observed during local night.
31 July	Spread F observed during local night.

4.1 Comments on Ionospheric Conditions.

Sporadic E was commonly observed during local daylight hours early in July. Spread F was occasionally observed during local night-time hours, particularly during the second half of the month. No significant depressions were observed during July.

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5. IPS WARNINGS AND ALERTS ISSUED

WARNING NO	ISSUE TIME	ISSUE DATE	BEGIN	END	COMMENTS
17	0009 UT	22 Jun 94	24 Jun 94	04 Jul 94	Magnetic and Ionospheric
18	2305 UT	11 Jul 94	15 Jul 94	16 Jul 94	Magnetic and Ionospheric

NOTE: IPS Warning formats were revised this month. There are now two types of Warnings:

Geomagnetic Disturbance Warnings

HF Radio Communications Warnings

These replace the Warnings, Significant Event Summaries, and SWF Warnings previously available, and are aimed at providing more beneficial and concise information to IPS customers.

GEOMAG WARNING NO	ISSUE TIME	ISSUE DATE	BEGIN	END
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1 0340 UT 21 Jul 94 24 Jul 94 29 Jul 94

HF RADIO WARNING NO ISSUE TIME ISSUE DATE BEGIN END
None Issued.

DATE OF ISSUE TYPE OF ALERT
None Issued.

DATE SWF BEGIN-END (UT)
None Issued.

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IPS Regional Warning Centre, Sydney |IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329 |PO Box 5606
Recorded Message tel: +61 2 4148330 |West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331 |AUSTRALIA

Date: Wed, 3 Aug 1994 11:25:34 -0600
From: bloom-beacon.mit.edu!senator-bedfellow.mit.edu!pschleck@uunet.uu.net
Subject: New ONE IOTA of RUSSIA
To: info-hams@ucsd.edu

RA0C,Baidukov isl.(sea of Okhotsk Coast South group)
New One IOTA, RRA(RR-14-01)
Next week "RRC" will plan to visit and operate from
this island. The team will be from UA90BA, UA90PA, RW3GW.
The supposed call R3RRC/0 or RZ90WM/0.
QSL info via I1HYW direct.

RA1Q,Waganiha isl.(Russian Robinson Award RR-22-01)
>From 18 until 21 august from this island will be
operate UE1QDX and UE1QQQ in CW and SSB on all bands
outside WARC.

QSL please via RV3MA. His addres Box 35 , Rybinsk ,
152901 , Russia .

--

Albert (RV3GW)
< ***** Russian Robinson Club, #34 ***** >

Date: Fri, 5 Aug 1994 11:50:36 GMT
From: world!drt@uunet.uu.net
Subject: Obtaining a US callsign

To: info-hams@ucsd.edu

Felix Ng (fng@yvr.cyberstore.ca) wrote:

: What are the requirements for getting a US callsign? I currently have
: a Canadian callsign. Just curious.

If you're not going to use your reciprocal privileges, which you as a Canadian with a VE license have automatically and include everything you can do that an Extra can also do (save give exams), you can get a US license if you can provide a US address, but you must pass the US exams to do so (and wait for the thing to come, of course). The only restriction is that you can't be an agent of a foreign government. The joker is that, once you get a US license, your reciprocal privileges are VOID and you're stuck with your US license class. Since there is nothing an Extra can do that an Advanced + 12 wpm licensee cannot also do (excepting 420-430 MHz), you may, if you hold those qualifications and take our exams, wind up losing privileges here unless you get an Extra license (20 wpm and 5 theory exams - the first three in my judgement about cover the Basic exam, the fourth is about as hard as the Canadian Advanced exam, the fifth is too but contains more questions).

Still interested in US licensing, despite the joker? Or just want a fuller description of what we go through? Let me know and I'll describe it more fully.

-drt

David R. Tucker KG2S 8P9CL drt@world.std.com

Date: Fri, 05 Aug 94 00:34:42 PDT
From: news.sprintlink.net!news.onramp.net!usenet@uunet.uu.net
Subject: Technician No Code
To: info-hams@ucsd.edu

I'm still a no-code tech, got heavily involved in the local club, rose to the rank of treasurer of the club (they won't let me be president, General or higher restriction) and am planning to upgrade very soon, though quietly. I've worked 6m and 2m DX, played with some satellites, worked HF DX under the club call, and have generally had a blast! Upgrade at your own pace, be courteous and thoughtful at all times and enjoy this hobby to the fullest. It really is something wonderful.

Date: Fri, 5 Aug 1994 11:20:03 GMT
From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!cs.utexas.edu!swrinde!
emory!wa4mei!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <457@ted.win.net>, <31r3b6\$okv@news.iastate.edu>,
<bentti-040894154150@m32011.esl.com>ary
Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)
Subject : Re: Technician No Code

In article <bentti-040894154150@m32011.esl.com> bentti@pebbles.esl.com (Davin Bentti) writes:

>
>[*snip*]
>Warning: The following are the words of a newbie... :-)
>
>But can't I get my NCT passed and while my documents are on the way study
>for
>the Morse Code? I thought I read I can take the 5wpm test _any_ time after
>I passed the NCT test. That way I thought I could get involved with ham
>radio sooner, and expand as my skills grow. Just because I take the NCT
>dosn't _limit_ me from moving up, right?

That's correct. The only consideration is that the FCC doesn't want more than one license application per applicant in the pipeline at once. That won't be an issue in upgrading from Tech to Tech Plus since all you need is the CSCE from the VE. But if you upgrade to General, you should wait until you get your Tech license before sending in the General paperwork. The VEC will normally hold your application in this case.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: (null)
From: (null)

End of Info-Hams Digest V94 #880
